

INDEX OF SHEETS

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3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
5. SCHEDULES
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- 7-8. CLASS B PATCHING DETAILS

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420701-03 PAVEMENT WELDED WIRE REINFORCEMENT
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701901-05 TRAFFIC CONTROL DEVICES

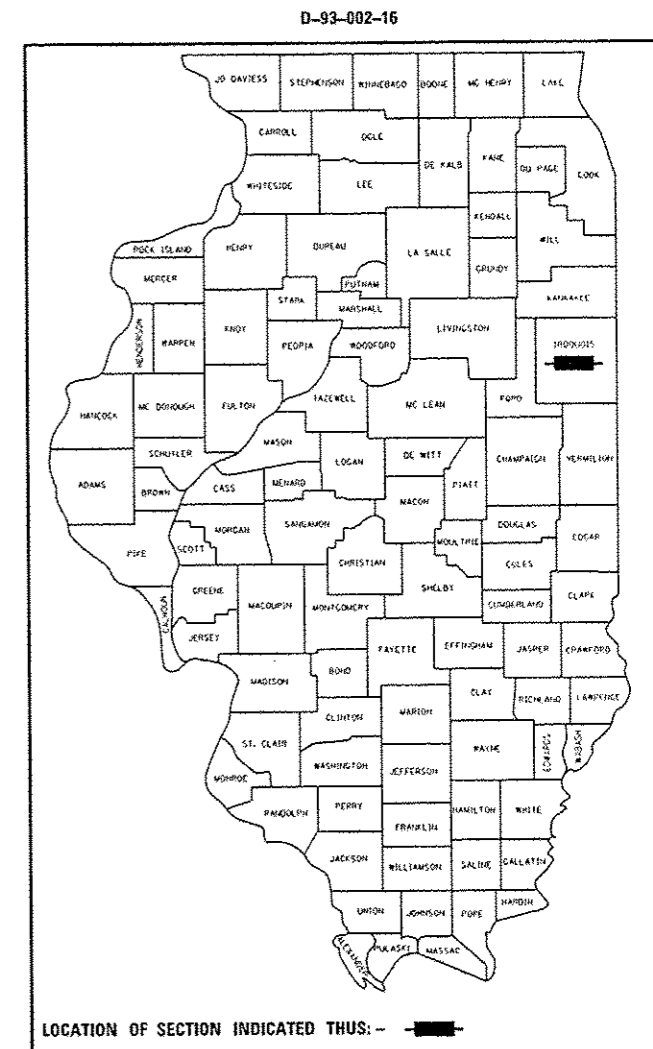
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
HIGHWAY PLANS**

**F.A.P. 317 (US 24)
SECTION D3 PATCHING 2017-12
PAVEMENT PATCHING
IROQUOIS COUNTY**

C-93-098-16

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	D3 PATCHING 2017-12	IROQUOIS	8	1
		ILLINOIS	CONTRACT NO. 66F58	

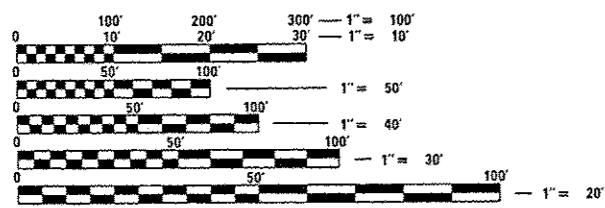
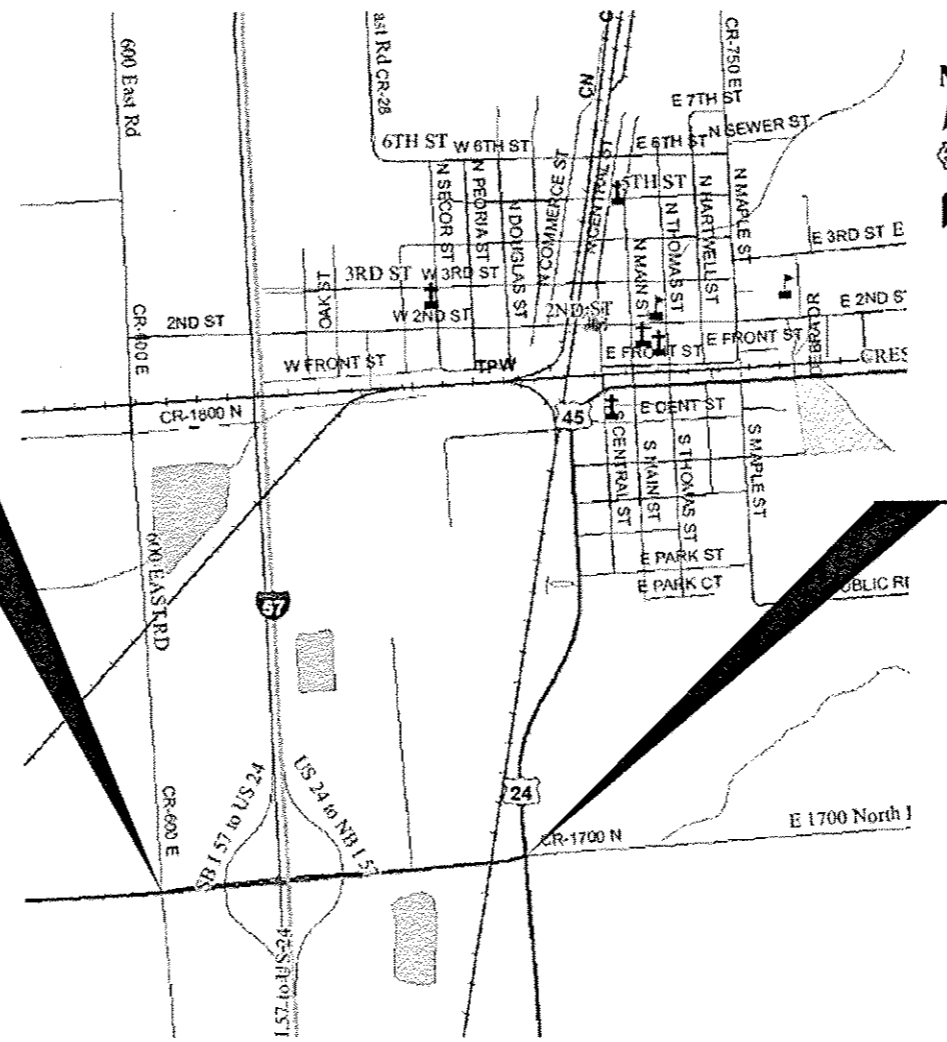


RURAL
OTHER ARTERIAL
FAP 317 (US 24)
2015

ADT	6075
P. V.	71.01%
S. U.	8.58%
M. U.	20.42%

IMPROVEMENT ENDS
COUNTY ROAD 600E
(L.M. 0.78)

IMPROVEMENT BEGINS
US 24/45 INTERSECTION
(L.M. 0.00)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JOE KANNEL P.E.
UNIT CHIEF: RON WOODSHANK

CONTRACT NO. 66F58

GROSS LENGTH = 4115.0 FT. = 0.779 MILE
NET LENGTH = 335.0 FT. = 0.063 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 19 2016
Paul Coetzee
REGIONAL ENGINEER

July 1 2016
Margaret M. Addis, PE
ENGINEER OF DESIGN AND ENVIRONMENT

July 1 2016
Paula Allen
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

DATE: May 19, 2016

PREPARED BY: Tom Bonvil
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: André G. Juy
DISTRICT CONSTRUCTION ENGINEER

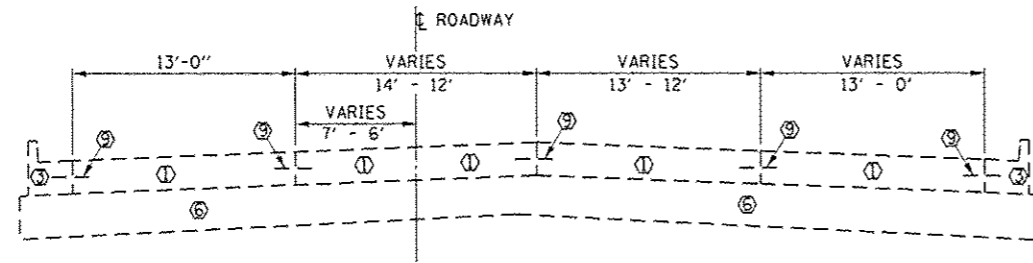
Wagner Phillips Jr
DISTRICT MATERIALS ENGINEER

Tom Hupozel
DISTRICT OPERATIONS ENGINEER

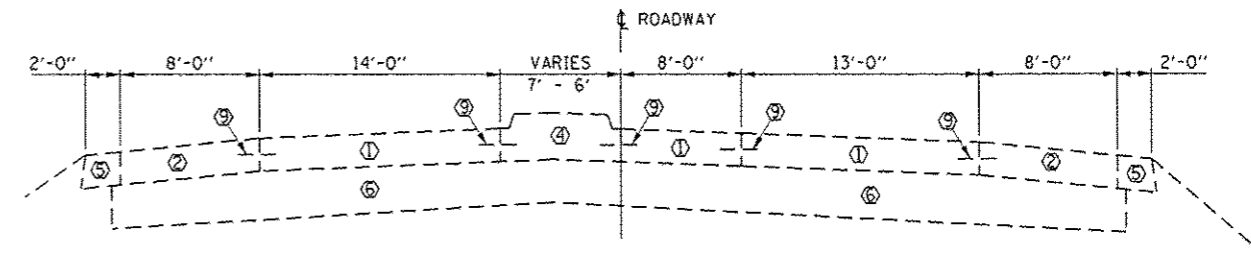
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Default	Documents\IDOT District 3\Projects\036	DRAWN	REVISED -			317	03 PATCHING 2017-12	IR000015	8	2	
	PLOT SCALE : 100.0000 / in.	CHECKED - EP	REVISED -			ILLINOIS FED. AID PROJECT					
	PLOT DATE : 5/6/2016	DATE - 5/4/2016	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				CONT. MAINT.
				100% STATE
				ROADWAY
				0005
				RURAL
44200050	WELDED WIRE REINFORCEMENT	SO YD	391	391
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SO YD	49	49
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SO YD	134	134
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SO YD	91	91
44200998	CLASS B PATCHES, TYPE III, 12 INCH	SO YD	125	125
44201000	CLASS B PATCHES, TYPE IV, 12 INCH	SO YD	132	132
44201299	DOWEL BARS 1 1/2"	EACH	662	662
44213200	SAW CUTS	FOOT	2190	2190
44213204	TIE BARS 3/4"	EACH	41	41
67100100	MOBILIZATION	LSUM	1	1
X7010520	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 (SPECIAL)	LSUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42

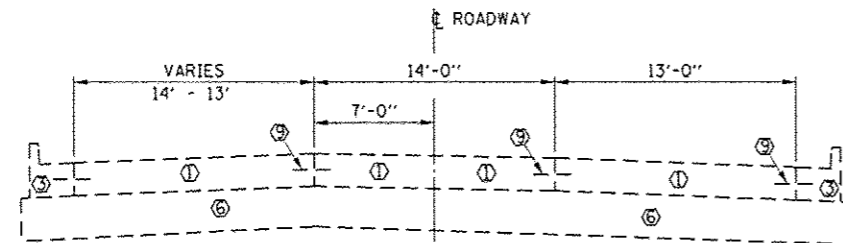
12



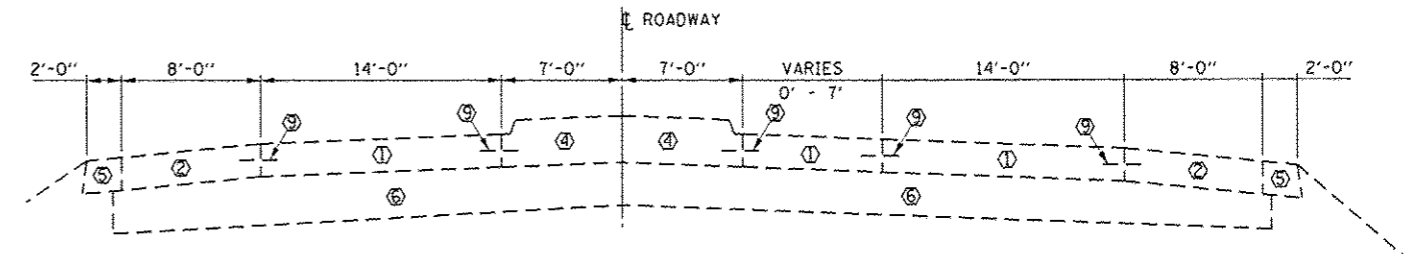
TYPICAL SECTION 1
L.M. 0.00 – L.M. 0.073



TYPICAL SECTION 4
L.M. 0.307 – L.M. 0.310



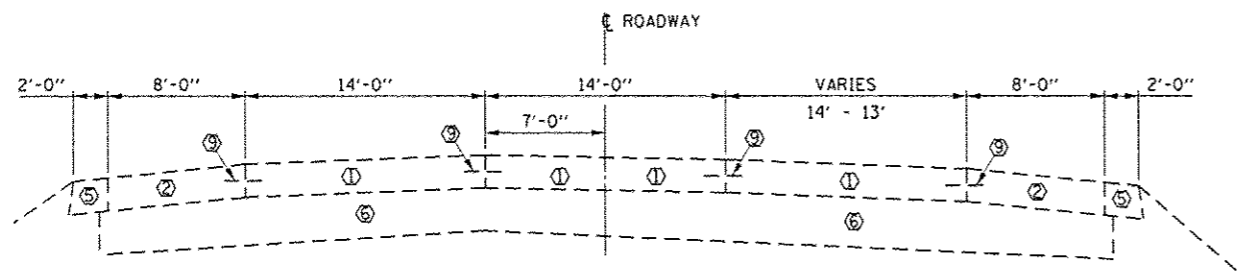
TYPICAL SECTION 2
L.M. 0.078 – L.M. 0.267



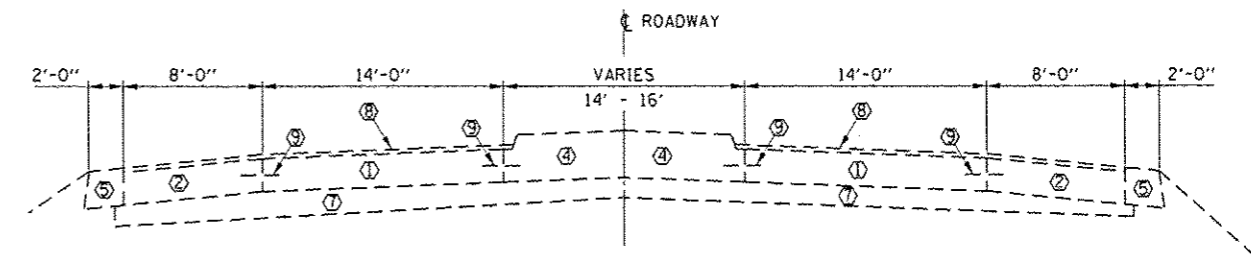
TYPICAL SECTION 5
L.M. 0.310 – L.M. 0.338

KEY

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9½"
- ② PORTLAND CEMENT CONCRETE SHOULDER 9½"
- ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ CONCRETE MEDIAN, TYPE SM-4.06
- ⑤ AGGREGATE SHOULDERS
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- ⑦ SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- ⑧ HOT-MIX ASPHALT SURFACE 2½"
- ⑨ #6 TIE BAR



TYPICAL SECTION 3
L.M. 0.267 – L.M. 0.307



TYPICAL SECTION 6
L.M. 0.338 – L.M. 0.780

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

FILE NAME : p:\11\094E810\INTEG\Illinois\gpr\PH00T\00	USER NAME : woodshank1	DESIGNED - RW	REVISED -	SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.	F.A.P. RTE. 317	SECTION D3 PATCHING 2017-12	COUNTY IROQUOIS	TOTAL SHEETS 8	SHEET NO. 4
PROJECT: 1100T-Offices\District 3\Projects\036	DRAWN: Date: P/RW: sht-details.dgn	CHECKED - EP	REVISED -		CONTRACT NO. 66F58		ILLINOIS FED. AID PROJECT		
PLT SCALE = 1/8"=1'-0" 1/4" = 1'-0"	DATE - 5/4/2016	REVISED -	REVISED -						
Default	PLT DATE = 5/6/2016	REVISED -	REVISED -						

PATCHING SCHEDULE

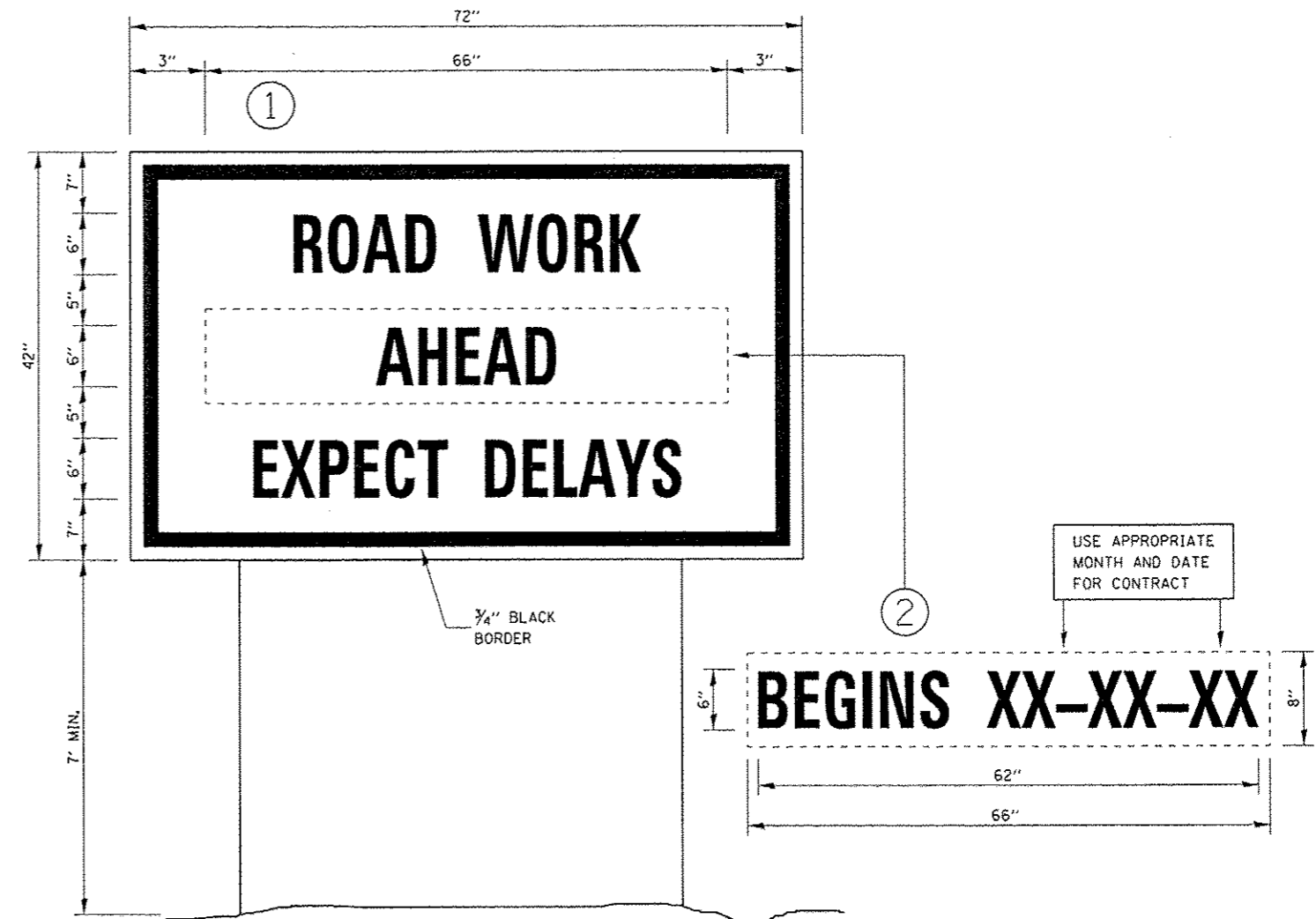
LOCATION	WESTBOUND LANE									
	PATCH LENGTH	CLASS B		CLASS B			DOWEL BARS	SAW CUTS	WELDED WIRE REINF.	TIE BARS
		TYPE II 9"	TYPE III 9"	TYPE II 12"	TYPE III 12"	TYPE IV 12"				
LOG MILE	(FT)	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH
0.10	6	8					20	54		
0.10	6	8					20	54		
0.10	15		20				20	81	20	
0.10	15		20				20	81	20	
0.20	15		20				20	81	20	
0.20	10		16				24	72	16	
0.20	6	9					24	60		
0.20	12		19				24	78	19	
0.30	8	12					24	66		
0.30	10		16				24	72	16	
0.35	6			10			26	63		
0.35	6			10			26	63		
0.40	12				19		26	81	19	
0.5	6			7			16	48		
0.50	12				16		20	81	16	
0.50	18					54	50	135	54	
0.70	6			8			20	54		
0.70	25					33	20	111	33	12
TOTALS	194	37	111	35	35	87	424	1335	233	12

•LOCATION ON TURN LANE **LOCATION ON EXIT RAMP

PATCHING SCHEDULE

LOCATION	EASTBOUND LANE									
	PATCH LENGTH	CLASS B		CLASS B			DOWEL BARS	SAW CUTS	WELDED WIRE REINF.	TIE BARS
		TYPE II 9"	TYPE III 9"	TYPE II 12"	TYPE III 12"	TYPE IV 12"				
LOG MILE	(FT)	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH
0.70	15					20	20	81	20	
0.70	6			9			20	54		
0.60	6			9			24	54		
0.60	24				24		14	114	24	12
0.60	34					45	20	138	45	17
0.50	6			8			20	54		
0.30	6			9			24	60		
0.30	15				23		24	87	23	
0.30	6			9			24	60		
0.20	8	12		12			24	66		
0.20	15		23		23		24	87	46	
TOTALS	141	12	23	56	90	45	238	855	158	29

•LOCATION ON MEDIAN AT RAMP **LOCATION ON TURN LANE

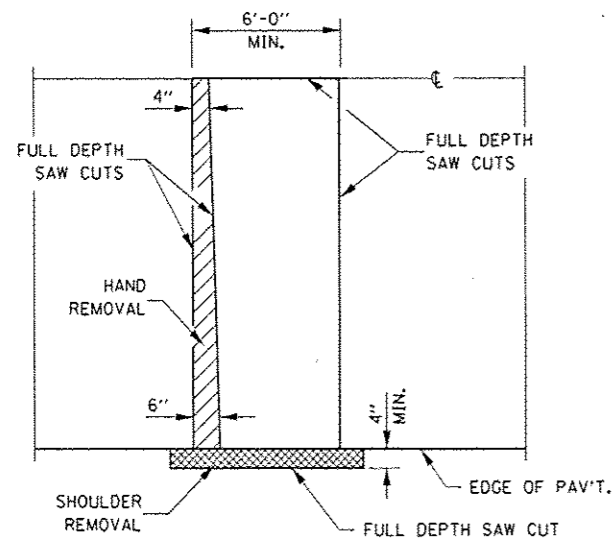


TEMPORARY INFORMATION SIGNING

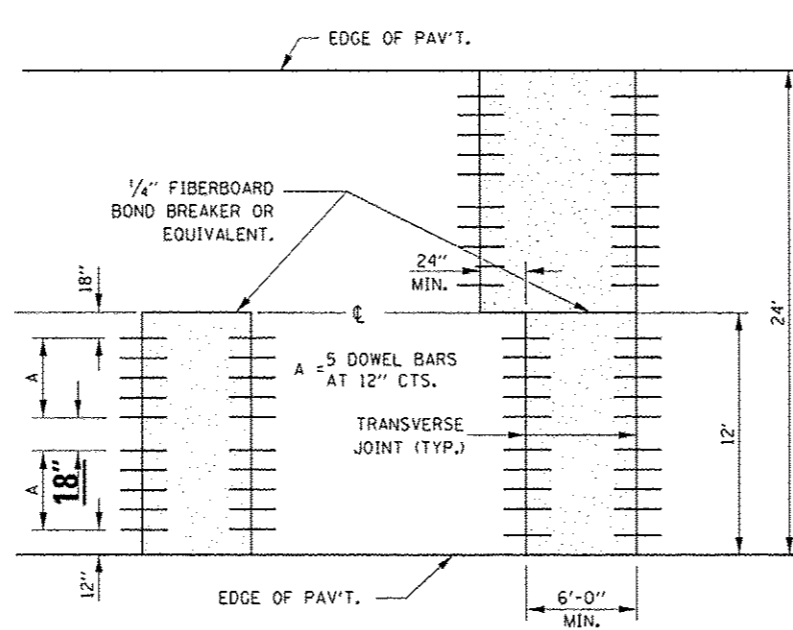
NOTES:

1. USE 6" O BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SO FT AS "TEMPORARY INFORMATION SIGNING", EACH SIGN = 21 SO FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

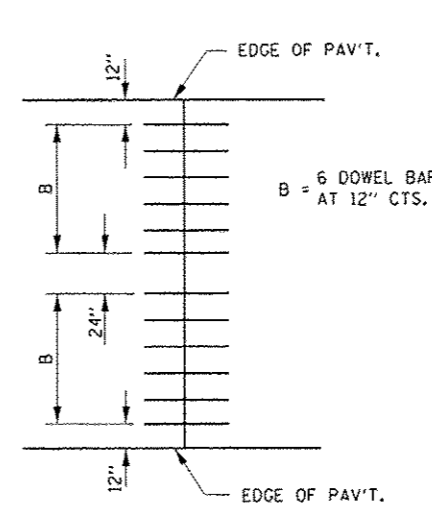
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path: \\PL084E810HTEG\Illinois\go-IPW001\Do	umants\BDDF\Bfficas\District 3\Projects\B36	DRAWN: sta\B\RW\rr-ehd-details.dgn	REVISED -			317	D3 PATCHING 2017-12	IR00UOIS	8	6	
Default	PLOT SCALE = 100.0000 / 1 in.	CHECKED - EP	REVISED -			SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 66F58			
	PLOT DATE = 9/6/2016	DATE - 5/4/2016	REVISED -			ILLINOIS FED. AID PROJECT					



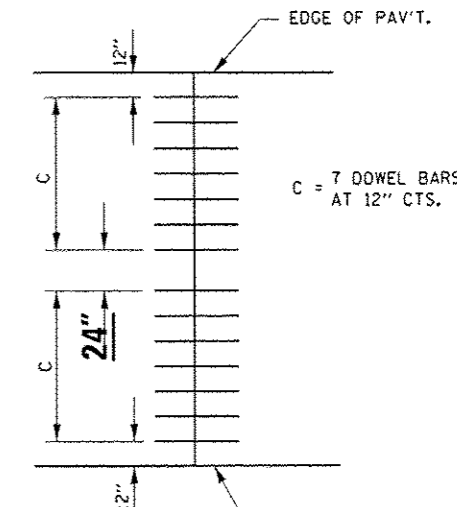
PAVEMENT SAWING DETAIL
(HMA SHOULDER)



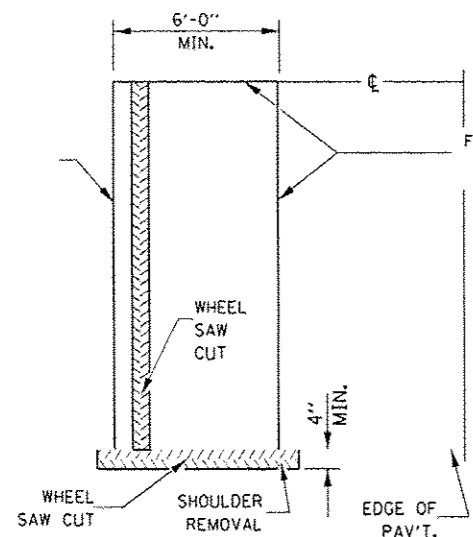
12' WIDE LANES



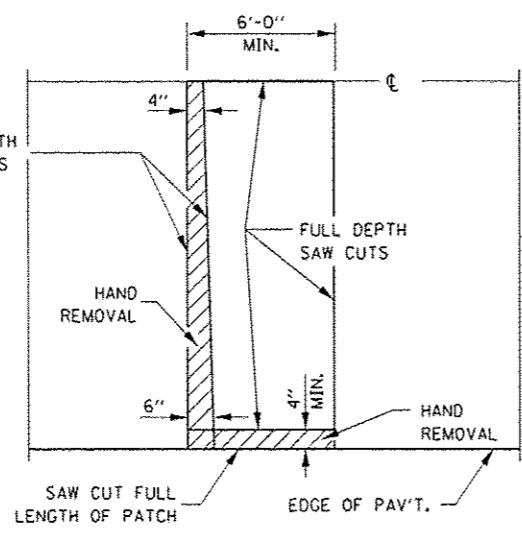
14' WIDE RAMP



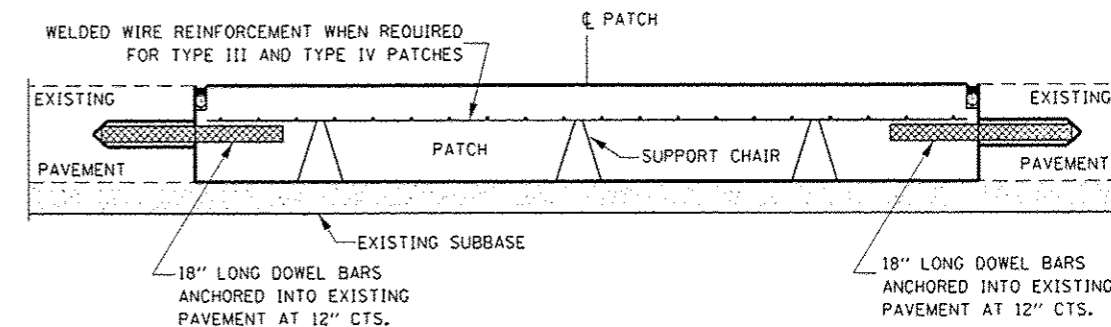
16' WIDE RAMP



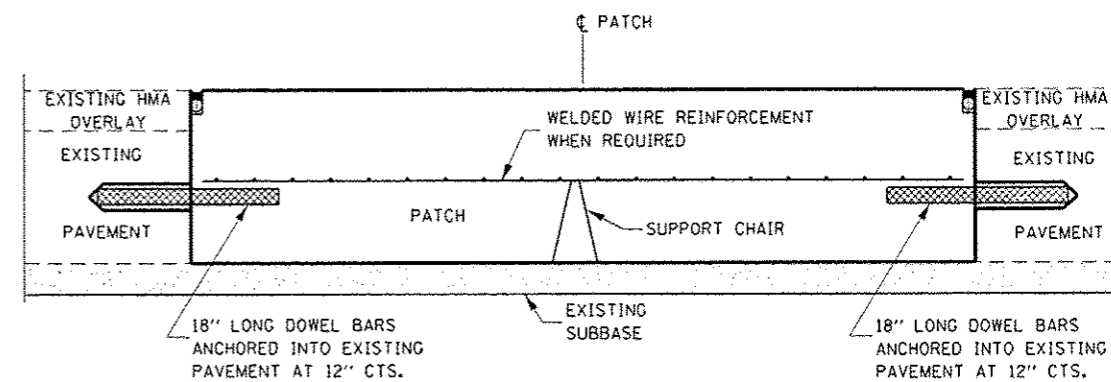
ALTERNATE SAWING DETAIL
(HMA SHOULDER)



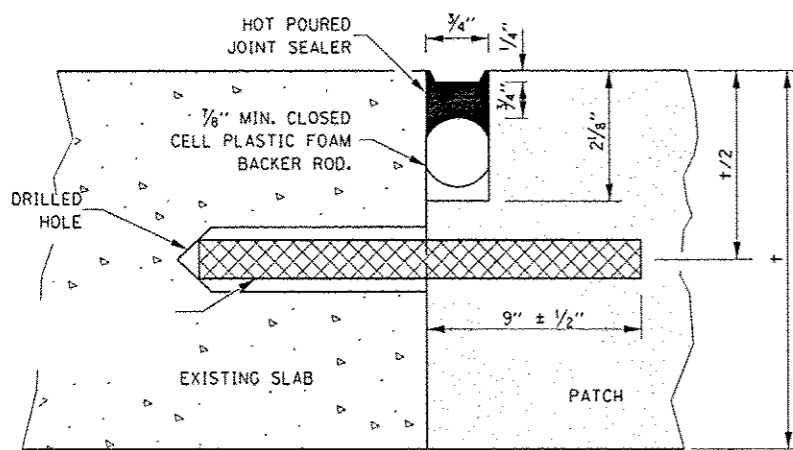
PAVEMENT SAWING DETAIL
(PCC SHOULDER)



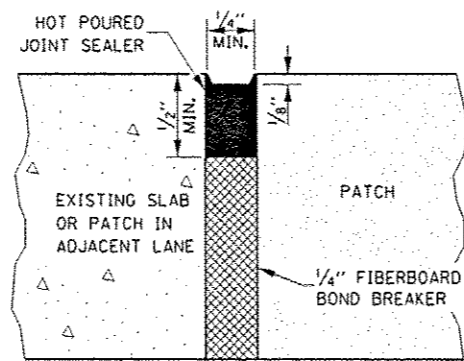
PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY



TRANSVERSE JOINT

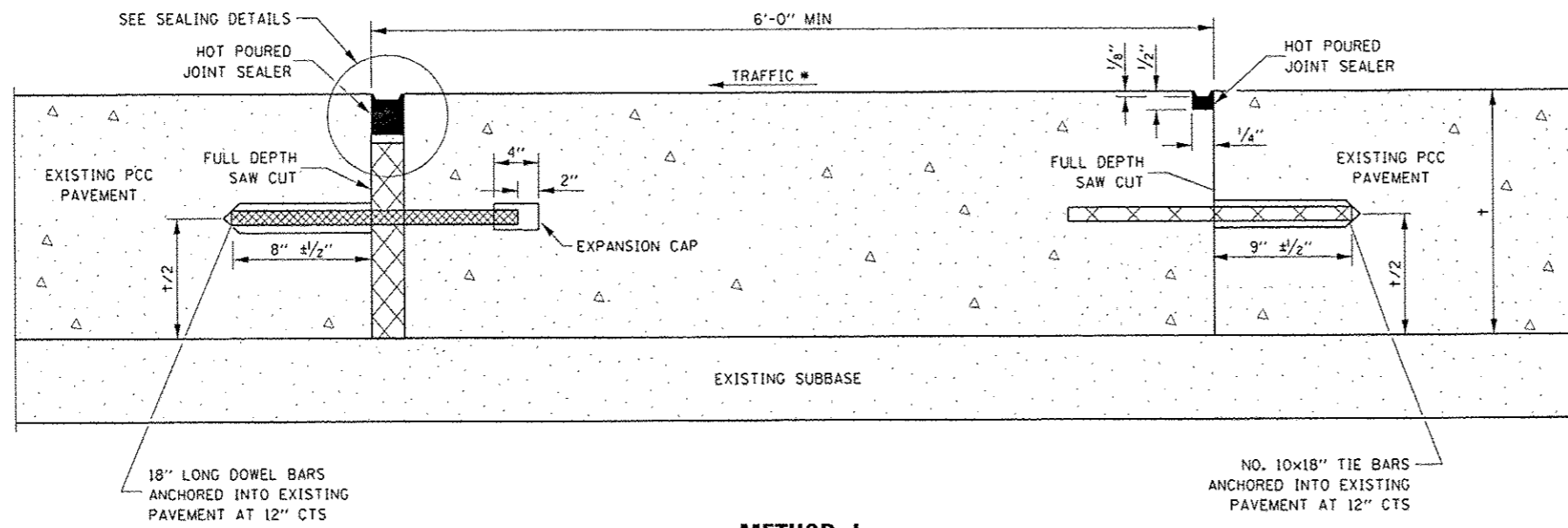


CENTERLINE JOINT

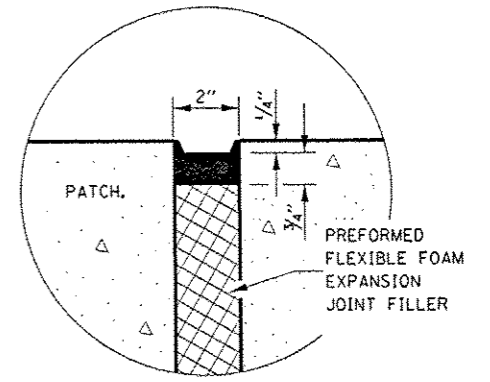
DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 5/8"
7" THRU 7.99"	1 1/4"	1 3/8"
LESS THAN 7"	1"	1 1/8"

GENERAL NOTES

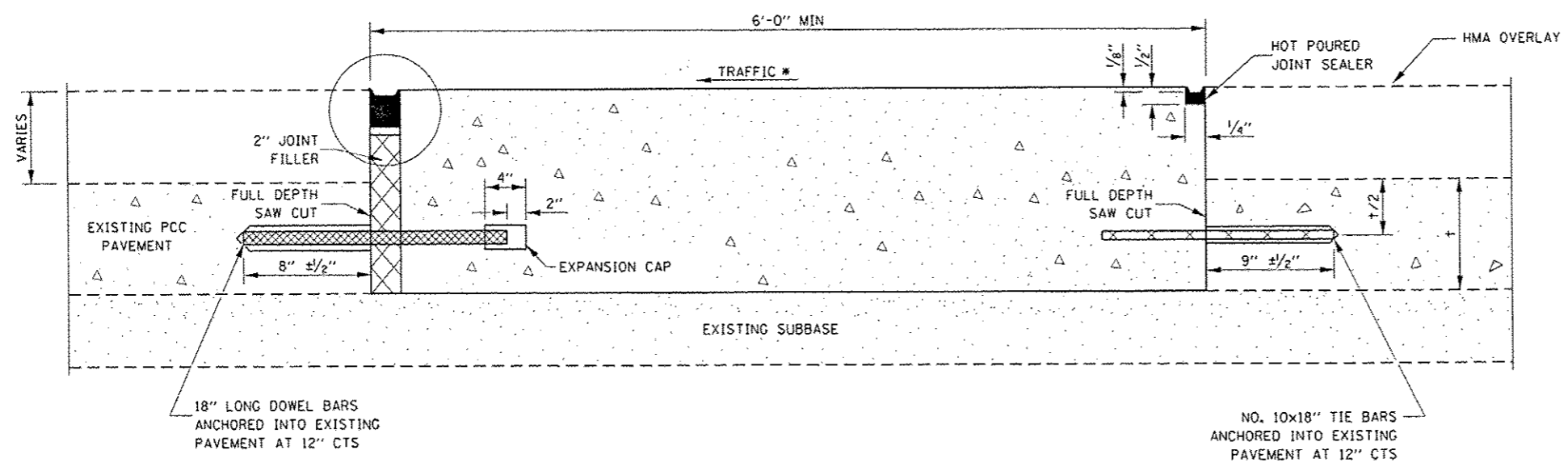
THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJECENT LANE WHENEVER POSSIBLE.
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.



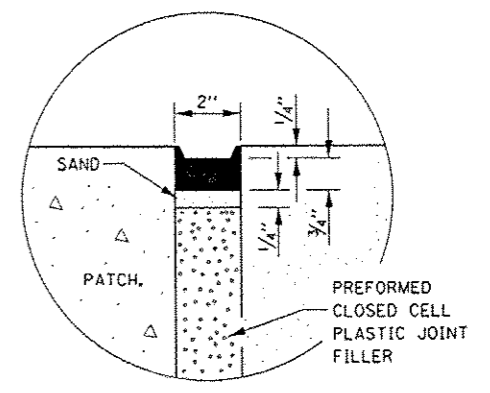
METHOD I
(WITHOUT HMA OVERLAY)



SEALING DETAIL



METHOD II
(WITH HMA OVERLAY)



SEALING DETAIL

NOTE

* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLASS B PATCHING DETAILS	F.A.P. RTE. 317	SECTION D3 PATCHING 2017-12	COUNTY IROQUOIS	TOTAL SHEETS 8	SHEET NO. 8	
PROJECT =	PROJECT =	DRAWN BY =	REVISED -			SCALE:	SHEET 2 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		
PLOT SCALE = 100,0000 / in.	CHECKED - EP	REVISED -	REVISED -								
PLOT DATE = 5/6/2016	DATE = 5/4/2016	REVISED -	REVISED -								